Attorney's Docket No.: 10287-031001 / MGH 1001.3

Applicant: Katia Georgopoulos et al.

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22. (Amended) The method of claim 18, wherein the mammal is immunized with an alloantigen or xenoantigen.

- 23. (Reiterated) The method of claim 22, wherein the antigen is poorly antigenic in wild type animals.
- 24. (Reiterated) The method of claim 22, wherein the antigen has at least 90% homology between the first and second species as determined using the ALIGN program with a PAM120 weight residue table, a gap length penalty of 12, and a gap penalty of 4 or using XBLAST with default parameters, wherein the first species is the animal which provides the antibody and the second species is the species which provides the antigen.
 - 25. (Reiterated) The method of claim 18, wherein the antibody is an IgG antibody.
- 26. (Reiterated) The method of claim 18, the mammal carries homozygous null mutations at the Aiolos gene.
- 27. (Reiterated) The method of claim 18, the method further comprises isolating one or more hematopoietic cells from the mammal and isolating the antibody therefrom.
- 28. (Twice Amended) The method of claim 18, wherein the hematopoietic cell from the animal is fused with a second cell to provide a hybridoma and the antibody is isolated from the hybridoma.
- 29. (Twice Amended) A method of obtaining an antibody comprising: providing a mouse that (a) has a cell which is homozygous for null or underexpressing mutations at the Aiolos locus and (b) is immunized with an antigen; and
 - isolating an antibody against the antigen from the mouse, to thereby obtain an antibody.
- 30. (Reiterated) The method of claim 29, wherein the mouse is an Aiolos transgenic mouse.
 - 31. (Reiterated) The method of claim 29, wherein the antigen is an autoantigen.

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32. (Amended) The method of claim 29, wherein the mouse is immunized with an alloantigen or xenoantigen.

- 33. (Reiterated) The method of claim 32, wherein the antigen is poorly antigenic in wild type animals.
- 34. (Reiterated) The method of claim 32, wherein the antigen has at least 90% homology between the first and second species as determined using the ALIGN program with a PAM120 weight residue table, a gap length penalty of 12, and a gap penalty of 4 or using XBLAST with default parameters, wherein the first species is the animal which provides the antibody and the second species is the species which provides the antigen.
- 35. (Twice Amended) A method of obtaining a monoclonal antibody, comprising: providing a mouse that (a) has a cell which is homozygous for null or underexpressing mutations at the Aiolos locus and (b) is immunized with an antigen;

isolating a hematopoietic cell from the mouse; and

isolating an antibody against the antigen from the hematopoietic cell or a derivative of the cell, to thereby obtain an antibody.

- 36. (Reiterated) The method of claim 35, wherein the derivative is a hybridoma.
- 37. (Reiterated) The method of claim 35, wherein the cell is a lymphocyte.
- 38. (Reiterated) The method of claim 35, wherein the mouse is an Aiolos transgenic mouse.
 - 39. (Reiterated) The method of claim 35, wherein the antigen is an autoantigen.
- 40. (Amended) The method of claim 35, wherein the mouse is immunized with an alloantigen or xenoantigen.
- 41. (Reiterated) The method of claim 35, wherein the antigen is poorly antigenic in wild type animals.

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42. (Reiterated) The method of claim 18, wherein the mammal is homozygous for a deletion of exon 7 of the Aiolos gene or a portion thereof.

- 43. (Amended) The method of claim 29, wherein the mouse is homozygous for a deletion of exon 7 of the Aiolos gene or a portion thereof.
- 44. (Amended) The method of claim 35, wherein the mouse is homozygous for a deletion of exon 7 of the Aiolos gene or a portion thereof. --